



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

: Confirmation No. 9109

Yoshiro SHIOKAWA

: Docket No. 2001-0394A

Serial No. 09/824,211

: Group Art Unit 2881

Filed April 3, 2001

: Examiner Phillip A. Johnston

Q-POLE TYPE MASS SPECTROMETER

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action of November 5, 2002, the period for response to which having been extended by three months to May 5, 2003, kindly amend the above-referenced U.S. patent application as follows:

IN THE SPECIFICATION

Please replace the original specification with the attached substitute specification.
No new matter has been entered.

IN THE CLAIMS

Please cancel claims 1-14 without prejudice or disclaimer of the subject matter thereof, and substitute therefor the following new claims:

15. A Q-pole type mass spectrometer installed in a reduced pressure gas environment, wherein the motion in an axial direction of ions to be measured, advancing from an ion source to a collector, is controlled within a Q-pole region at the same time that the ions to be measured are

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